AMENDMENT NO. 1 MARCH 2021

TO

SP 7 : 2016 NATIONAL BUILDING CODE OF INDIA 2016

This amendment amends the provisions of Part 4 'Fire and Life Safety' of the Code, as follows:

(*Page* 11, *clause* **2.43.9**) — Insert the following definition at the end:

'**2.43.10** *Link Load* — The number of passengers travelling between two stations on board a train or trains during peak headway.'

(*Page* 13, *clause* **3.1.1.2**, *line* 3) — Substitute '**3.1.11**' *for* '**3.1.12**'.

(*Page* 16, *clause* **3.1.8**, *para* 5, *line* 1) — Delete the words 'and fire load density'.

[*Page* 34, *clause* **4.4.2.4.3.2** (f), *line* 6] — Substitute '90 mm' *for* '115 mm'.

[*Page* 34, *clause* **4.4.2.4.3.2** (h) (12)] — Substitute the following for the existing:

'12) Scissors type staircases (of type where intermingling of persons in the landing is possible or of type where both stairs use the common air space) shall not be treated as part of exit.'

(*Page* 51, *Table* 7, *Note* 16) — Insert the following at the end:

'For C-1 occupancy, *see also* **6.3.2**(g)(4)'.

(*Page* 53, *clause* **5.1.2.1**, *para* 7, *line* 1) — Substitute 'The covering slab and its supporting wall/supporting system' for 'The covering slab'.

(*Page* 64, *clause* **6.4.4**) — Substitute the following for the existing:

*'***6.4.4** *Fire Protection and Firefighting System for Metro Stations (D-7 Occupancy)*

Fire and life safety requirements for metro stations and metro trainways shall be in accordance with Annex J and Annex K, respectively. In case of any ambiguity with respect to provisions in Part 4 or any other Part of the Code, the respective provisions given in Annexes J and K shall be applicable.'

(*Page* 94, *reference under heading* Annex H) — Substitute '*Clauses* 6.4.2.2(e) *and* 6.8.1.5' *for* '*Clauses* 6.4.2.2 *and* 6.8.1.5'.

[*Page* 97, *clause* **J-4.1**(e)] — Substitute the following for the existing:

'e) Peak hour load shall be converted to peak minute load by dividing by 60 and multiplying further by a system surge factor varying from 1.3 to 1.5, as defined by the transit system authority. Surge factor may require to be further enhanced where increased footfalls are anticipated, like stations catering to sports complex transit oriented development, and stations serving two or more lines.

NOTE — Surge factors shall be based on actual calculations by transit system authority and in no case it shall be less than 1.3.'

[*Page* 97, *clause* **J-4.1**(f)(1)] — Substitute the following for the existing:

'1) *Train on fire* — It is assumed that a train loaded to crush capacity/link load as may be decided by the transit system authority, travelling in peak direction at peak hour has caught fire, and as per the operating procedure it is brought to the next station, whereupon it shall require to be evacuated.'

[*Page* 97, *clause* **J-4.1**(g), *line* 6] — Substitute 'train load/link load' *for* 'train load'.

[*Page* 97, *clause* **J-4.1**(j)] — Substitute the following the existing:

'j) *Segregation with non-transit occupancy:*

Non-transit (and incidental) occupancies of area up to 250 m^2 (total area of all floors), shall be permitted to be accommodated within the station building. Occupant load of areas under non-transit occupancies shall be in accordance with Table 3.'

(*Page* 100, *clause* **J-6.4**, *line* 4) — Substitute '10 m^2' *for* '6 m^2'.

[Page 101, *Table* 27, *Sl No*. (i)] — Substitute the following for the existing:

'i) Auxiliary substation, electrical UPS/battery room 2h 2h 2h 2h'

[*Page* 101, *Table* 27, *Sl No*. (iv), *col*. *no*. 2] — *Delete the words* 'cash and ticket supervisor room,' and 'toilets,'.

[*Pages* 114 and 115, *List of standards under Sl. No.* (17)] — Delete the following entries and their corresponding titles:

'2878 : 2004'

'13385 : 1992'

'13386 : 1992'

[*Page* 115, *List of standards under* Sl. No. (17)] — Insert the following standard at the end:

'16018 : 2012 Wheeled fire extinguisher — Performance and construction — Specification'

[*Page* 116, *List of standards under* Sl. No. (26)] — Delete '13039 : 1991' and its corresponding title.

(CED 46)

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